

WHAT IS CLAIMED IS:

1. A backup system including a database apparatus having a plurality of databases and a backup apparatus for holding a backup of information stored in the database apparatus, wherein

said database apparatus comprises:

update information generating means for generating, with respect to the individual databases, update information indicating contents of updates of the databases;

interrelation information generating means for generating interrelation information indicating an interrelation between the update information for a certain database and the update information for other databases; and

transmitting means for transmitting the update information and the interrelation information to said backup apparatus, and

said backup apparatus comprises:

receiving means for receiving the update information and the interrelation information transmitted from said database apparatus;

backup databases for holding backups of contents of the databases owned by said database apparatus;

interrelation determining means for looking up the interrelation information received by said receiving

means to determine the interrelation of each said update information; and

updating means for updating said backup databases based on the update information of which the interrelation
5 is verified by said interrelation determining means.

2. The backup system according to claim 1,
wherein said database apparatus further comprises affixing
means for affixing the interrelation information to the
10 update information, and

said backup apparatus further comprises
extracting means for extracting the interrelation
information from the update information received by said
receiving means.
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3. The backup system according to claim 1,
wherein the interrelation information is information
indicating presence/absence of other update information
interrelated with the update information concerned.
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4. The backup system according to claim 1,
wherein the interrelation information is a serial number,
and

if there exists no other update information
25 interrelated with the update information concerned, a
serial number of immediately preceding update information
is affixed to the update information concerned.

5. The backup system according to claim 1,
wherein said database apparatus further comprises
transmission completion information transmitting means for
transmitting, with respect to the individual databases,
transmission completion information indicating update
information whose transmission is completed, and

said updating means of said backup apparatus
updates said backup databases while looking up the
transmission completion information and the interrelation
information.

6. A database apparatus having a plurality of
databases, comprising:

update information generating means for
generating, with respect to the individual databases,
update information indicating contents of updates of the
databases;

interrelation information generating means for
generating interrelation information indicating an
interrelation between the update information for a certain
database and the update information for other databases;
and

transmitting means for transmitting the update
information and the interrelation information to a backup
apparatus.

7. A backup method for a database apparatus having a plurality of databases, comprising:

an update information generation step of generating, with respect to the individual databases,
5 update information indicating contents of updates of the databases;

an interrelation information generation step of generating interrelation information indicating an interrelation between the update information for a certain
10 database and the update information for other databases;
and

a transmission step of transmitting the update information and the interrelation information to a backup apparatus.
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8. A program for causing a computer to function as a database apparatus having a plurality of databases, wherein said computer functions as:

update information generating means for
20 generating, with respect to the individual databases, update information indicating contents of updates of the databases;

interrelation information generating means for generating interrelation information indicating an
25 interrelation between the update information for a certain database and the update information for other databases;
and

transmitting means for transmitting the update information and the interrelation information to a backup apparatus.

5 9. A backup apparatus for holding a backup of information stored in a database apparatus, comprising:

receiving means for receiving update information and interrelation information transmitted from the database apparatus;

10 backup databases for holding backups of contents of databases owned by the database apparatus;

interrelation determining means for looking up the interrelation information received by said receiving means to determine the interrelation of each said update
15 information; and

updating means for updating said backup databases based on the update information of which the interrelation is verified by said interrelation determining means.

20 10. A backup method enabling backup databases to hold a backup of information stored in a database apparatus, comprising:

a reception step of receiving update information and interrelation information transmitted from the
25 database apparatus;

an interrelation determination step of looking up the interrelation information received in said reception

step to determine the interrelation of each said update information; and

an update step of updating the backup databases based on the update information of which the interrelation
5 is verified in said interrelation determination step.

11. A program for causing a computer to perform a process of holding a backup of information stored in a database apparatus, wherein said program causes the
10 computer to function as:

receiving means for receiving update information and interrelation information transmitted from the database apparatus;

15 backup databases for holding backups of contents of databases owned by the database apparatus;

interrelation determining means for looking up the interrelation information received by the receiving means to determine the interrelation of each said update information; and

20 updating means for updating the backup databases based on the update information of which the interrelation is verified by the interrelation determining means.